



PATIENT

Athena Coplan

SPECIES

Canine

BREED

German Shepherd X

SEX

Spayed Female

AGE

9 Years

WEIGHT

80.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Westwood Regional

REFERRING VET

Dr. Hartwick

INVOICE

44748

DATE

2/3/23

PRESENTING CLINICAL SIGNS

Patient with previous history of FHO, had been on chronic Rimadyl, Gabapentin, and Tramadol, presents for lethargy, vomiting, anorexia, and diarrhea x 48 hrs. May have chewed cardboard. QAR, depressed, tense abdomen. Hepatopathy, azotemia, UTD on Lepto vax. AFAST scan done in-house found fluid pockets in abdomen and possible pericardial effusion, inflamm, liver pattern, etc. R/O neoplasia vs. all else. Current tx: IVFs, LRS with B-Vit @ 2 x maintenance, unasyn, famotadine, ondansetron, buprenorphine.

Abnormal PE/Chem/CBC/UA Results: 4DX (neg), CPL= normal, CBC= normal. Chem (2/1/23): AST 470, ALT 130, Alk. Phos. normal, GGT 10, CK > 4000, BUN 36.28, creat. 3.2, phos. 7.89. On 2/2/23 after patient was on IVFs/meds for 12 hrs: ALT 106, AST 324, BUN 36.9, creat. 2.5, phos. 9.2. U/A: cysto (pending).

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.7 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.47 cm x 0.40 cm at the caudal pole and 0.48 cm at the cranial pole. The right adrenal gland measured 3.02 cm x 0.74 cm at the caudal pole and 0.95 cm at the cranial pole.

Spleen

The **spleen** presented minor heterogeneous parenchymal changes with slight irregular contour.

Liver

The **liver** presented irregular contour with heterogeneous changes and nodules. Passive congestion pattern noted with dilated hepatic veins and vena cava. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



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Pancreas

Athena Coplan

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES

Canine

Other

BREED

German Shepherd X

Pericardial effusion noted through the diaphragm.

Ascites noted, likely secondary to passive congestion deriving from thoracic pathology/pericardial effusion.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

AGE

9 Years

- Passive congestion liver pattern with ascites
- Slight heterogeneous splenic and hepatic changes
- Pericardial effusion

WEIGHT

80.5 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full echocardiogram warranted to assess for right auricular masses. There is concern for splenic and hepatic hemangiosarcoma or round cell neoplasia. Prognosis is guarded.

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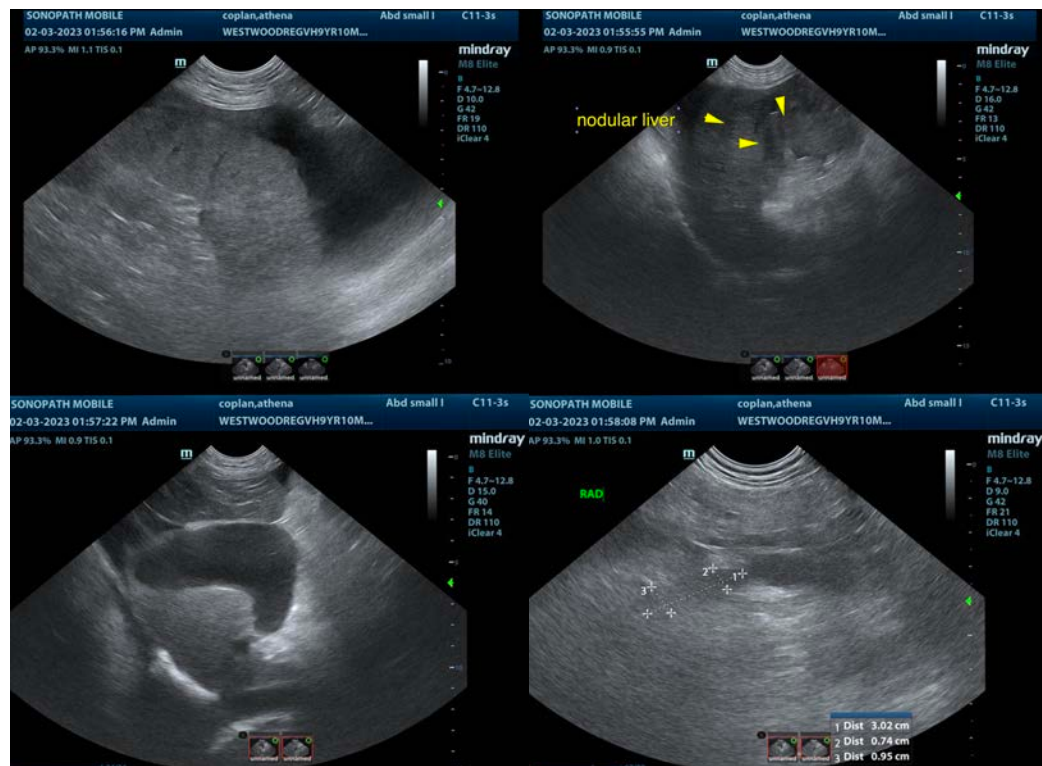
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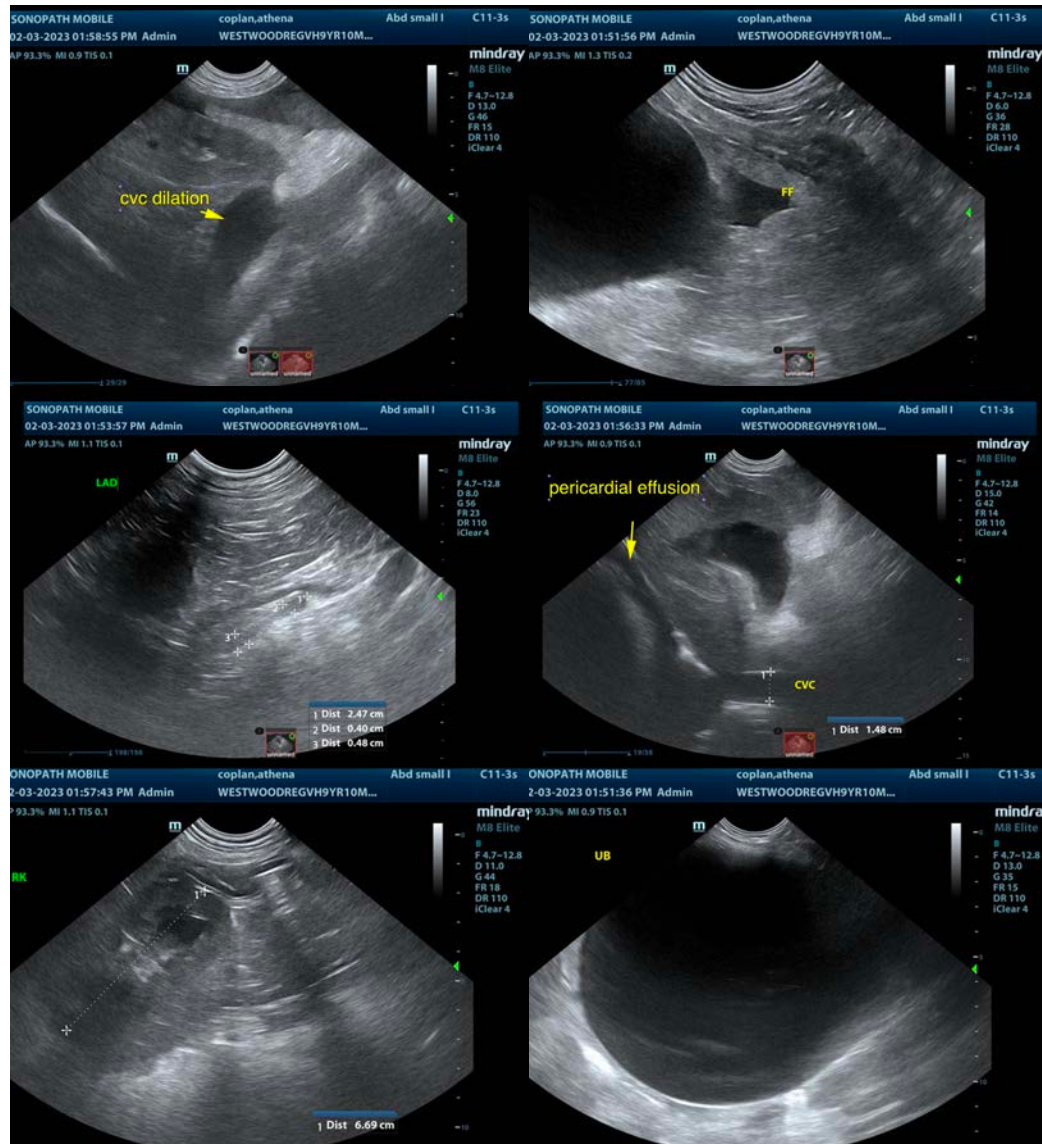
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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